

DIGITAL VIDEO STORAGE SYSTEM AND RELATED METHOD OF STORING DIGITAL VIDEO DATA

Abstract

A digital video (DV) storage system comprises an interface module receiving an incoming signal and converting the incoming signal into an incoming bit-stream; a DV demuxer directly connected to the interface module for receiving the incoming bit-stream, wherein the DV demuxer de-multiplexes received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections; and memory coupled to the DV demuxer for storing the video blocks and audio blocks. By directly connecting the interface module to the DV demuxer, and by not buffering the incoming bit-stream outside the interface module and the DV demuxer, the memory bandwidth requirement of the memory is greatly reduced, and the interface module and the DV demuxer can be easily implemented together in a single IC.